

**REMARKS**

Please reconsider the application in view of the above amendments and the following remarks. Applicant thanks the Examiner for carefully considering this application.

**Drawings**

Applicant notes that formal drawings were filed in the referenced application on May 31, 2001. Application requests that the Examiner indicate whether these drawings are acceptable.

**Disposition of Claims**

Claims 1-13 are pending in this application. Claims 1, 8, and 12 are independent. Claims 2, 3, and 11 have been cancelled by this reply. Additionally, claims 14-16 have been added in this reply. Support for these claims may be found, for example, on page 11 of the specification. The remaining claims depend, directly or indirectly, from claims 1, 8, and 12.

**Rejection(s) under 35 U.S.C § 102**

Claims 1-3, 8, and 11 stand rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 5,715,387 ("Barnstijn"). Claims 2, 3, and 11 have been cancelled by this reply, accordingly, the rejection is moot with respect to these claims. Further, claims 1 and 8 have been amended in this reply to clarify the present invention recited. Specifically, claim 1 has been amended to include the subject matter of cancelled claims

2 and 3. Additionally, claim 8 has been amended to include the subject matter of cancelled claim 11. To the extent that this rejection may still apply to the amended claims, the rejection is respectfully traversed.

Claims 1 and 8, as amended, recite a method for developing an application for a wireless-connected device by integrating an emulator of the wireless-connected device (*i.e.*, software which emulates a wireless-connected device) with a module used to develop the application, where the module includes one or more development tools used to develop the application. The emulator and module containing the development tools are further integrated into an integrated development environment (IDE) residing on a single system. The IDE is software that creates a development environment on the system on which the IDE is integrated. Thus, the emulator is used within an IDE to execute the application created with the developments tools.

By using an emulator, the application developer has the ability to program, observe, and test applications for wireless-connected devices in an IDE without having to download other applications onto a particular device to test the application. Further, the emulator of the present invention emulates an entire wireless-connected device.

Barnstijn fails to show or suggest all of the limitations required by claims 1 and 8. In contrast to the claimed invention, Barnstijn discloses a method for verifying the operation of a computer program (*i.e.*, application) that is executed on one computer, but developed on another computer. The method recited in Barnstijn differs from the invention as recited in claims 1 and 8, in at least the following aspects:

- (i) Barnstijn envisions the use of *two separate computer systems*. Specifically,

the verification of the computer program is performed on a target system, and the development of the verification of the computer program is done on a host system, where the host system is a different computer than the target system;

- (ii) Barnstijn does not disclose an emulator for a wireless connected device that is *integrated into an IDE*. In contrast, Barnstijn discloses a CPU emulator that is a hardware-based emulator (*i.e.*, a physical hardware device). Further, because the emulator disclosed in Barnstijn is a physical hardware device, the emulator disclosed in Barnstijn cannot be integrated into an IDE that runs in a software environment, as recited in amended claims 1 and 8 of the present invention; and
- (iii) Barnstijn does not disclose an emulator that includes functionality to *emulate an entire device* (*i.e.*, a wireless-connected device), as recited in amended claims 1 and 8 of the present invention. Rather, Barnstijn only describes a CPU emulator (col. 11, 40-50) that emulates a processor, with no mention of any emulator that emulates a device as a whole.

In view of the above, Barnstijn fails to disclose or suggest each and every element of the present invention as recited in amended independent claims 1 and 8. Dependent claims 4-7, 9, and 10 are allowable for at least the same reasons. Accordingly, withdrawal of this rejection is respectfully requested.

**Rejection(s) under 35 U.S.C § 103**

Claims 4-7, 9, 10, 12, and 13 stand rejected under 35 U.S.C. § 103(a) as obvious over Barnstijn in view of U.S. Patent No. 5,666,399 ("Bales"). This rejection is respectfully traversed.

Independent claim 12 recites a method to install a module including the development tools to create an application for a wireless-connected device. Claim 12 includes similar subject matter as recited in amended independent claims 1 and 8. Specifically, the module is integrated into an IDE, and the application is executed using an emulator that emulates a wireless connected device, which includes an emulator configuration file.

As described above, Barnstijn fails to disclose or suggest each and every element of amended independent claims 1 and 8. Further, Bales does not teach that which Barnstijn lacks.

Specifically, Bales discloses a terminal emulator application that controls the telecommunication link assigned to a wireless terminal. The terminal emulator application disclosed in Bales emulates a type of telecommunication terminal that would be connected to the telecommunication link (see, *e.g.*, Figure 1), whereas the emulator of the present invention emulates an entire wireless-connected device. Further, the terminal emulator application described in Bales is not integrated into an IDE, as recited in amended claims 1 and 8, and claim 12 of the present invention.

In view of the above, Barnstijn and Bales, whether considered separately or in combination, fail to show or suggest the present invention as recited in amended independent claims 1 and 8. Thus, amended independent claims 1, and 8 are patentable

over Barnstijn and Bales. Further, Claim 12 includes similar patentable limitations as amended independent claims 1 and 8, and thus is patentable for at least similar reasons. Dependent claim 13 is allowable for at least the same reasons. Accordingly, withdrawal of this rejection is respectfully requested.

### New Claims


Claims 14-16 have been added in this reply. Claims 14-16 are patentable for at least the same reasons as discussed above. Further, both Barnstijn and Bales, whether considered individually or in combination, do not disclose or suggest an emulator and IDE executing on the same virtual machine.

### Conclusion

Applicant believes this reply is fully responsive to all outstanding issues and places this application in condition for allowance. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 16159.011001).

Respectfully submitted,

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